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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MAY 16, 1964

BOTULISM

California reported 3 cases of botulism, 2 fatal, for the week ended May 16. This brings the national total to 9 cases thus far in 1964. For the comparable period of 1963, 5 cases were reported.

The 3 cases occurred in San Jose and involved a married couple, both 28, and the wife's 54-year-old uncle. The group shared a noon meal, Thursday, May 14, which included a home-preserved product (either chili beans or green peppers).

Saturday night, May 16, the uncle died suddenly; a stroke was the suspected cause of death. This diagnosis, however, was not confirmed at autopsy. On Sunday, May 17, the wife experienced respiratory difficulty, diplopia and dysphagia. She was hospitalized, but died Monday night. On Sunday afternoon, the husband became nauseated, and later experienced diplopia and dysphagia. He received bivalent botulinus antitoxin; a tracheotomy was performed. His condition is critical.

The couple's 4 children, aged 2 to 9, did not eat the home-preserved product; none has become ill.

Laboratory studies of the remaining food are in progress.

All 9 cases of botulism reported in 1964 are related to home-processed foods.

(Reported by Dr. Raymond Miller, San Jose City Health Department, and Dr. Philip K. Condit, Chief, Bureau of Communicable Diseases, Division of Preventive Medicine, California State Department of Public Health.)

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	20th Week Ended May 16, 1964	20th Week Ended May 18, 1963	Median 1959 - 1963	Cumulative, First 20 Weeks 1964	Cumulative, First 20 Weeks 1963	Median 1959 - 1963
Aseptic meningitis	36	36	---	547	445	---
Brucellosis	10	8	13	149	130	213
Diphtheria	9	3	6	97	112	269
Encephalitis, primary infectious	45	31	---	669	571	---
Encephalitis, post-infectious	28		---	340		---
Hepatitis, infectious including serum hepatitis	756	769	930	17,655	19,621	19,621
Measles	26,688	16,213	17,165	308,594	263,488	277,490
Meningococcal infections	51	51	44	1,196	1,187	1,099
Poliomyelitis, Total	1	2	14	26	53	160
Paralytic	1	2	11	20	47	107
Nonparalytic	-	-	---	5	2	---
Unspecified	-	-	---	1	4	---
Streptococcal Sore Throat and Scarlet fever	8,366	7,074	---	211,129	183,930	---
Tetanus	5	4	---	77	76	---
Tularemia	4	2	---	92	73	---
Typhoid fever	13	5	13	137	136	204
Rabies in Animals	118	102	68	1,843	1,587	1,587

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: N.Y. City - 1	14
Botulism: Calif. - 3	9	Rabies in Man:	-
Leptospirosis:	7	Smallpox:	-
Malaria: N.C. - 1	34	Typhus-	
Plague:	-	Murine:	4
		Rky Mt. Spotted: N.Y. Up-State-1, N.J.-1, Utah-1, S.C.-1, Va.-1	17

Figure 1

REPORTED CASES OF VIRAL HEPATITIS BY EPIDEMIOLOGICAL YEAR
UNITED STATES SINCE 1958
4 WEEK PERIODS - ARITHMETIC SCALE

VIRAL HEPATITIS – 1st Quarter 1964

During the first quarter of 1964, a total of 12,118 cases of viral hepatitis was reported. This figure represents a decrease of 13 per cent over the comparable period of 1963; it reflects the continuation of a longer term downward trend which began in 1961 (see figure 1). A more gradual decline in the number of reported cases, however, has followed the 1961 peak than followed the previous peak year, 1953 (not shown).

During the first 3 months of 1964, New England experienced the highest attack rate of any geographic area (13.1 cases per 100,000 population). Although Maine's attack rate (50.9 per 100,000) is the nation's highest, this State reported 39 per cent fewer cases during the first quarter of 1964 than during the corresponding period of 1963. Vermont and New Hampshire have the second and fourth highest attack rates (43.6 and 19.4 per 100,000, respectively); both represent increases from the comparable quarter of 1963.

The following states also showed major increases in the number of cases reported during the first quarter of this year as compared to that of 1963:

	Reported Cases – First Quarter	
	1963	1964
South Dakota	15	81
Hawaii	9	44
Kansas	66	261
Wyoming	10	32
North Dakota	11	32
Nevada	9	24
U. S. A.	13,844	12,118

The seasonal peak for hepatitis occurred during February (figure 1). The notable similarity in seasonal distribution of this disease in the United States and in Canada is shown in the graph on the opposite page.

It would appear that a continuing decline in the prevalence of viral hepatitis in the United States may be expected during the coming months.

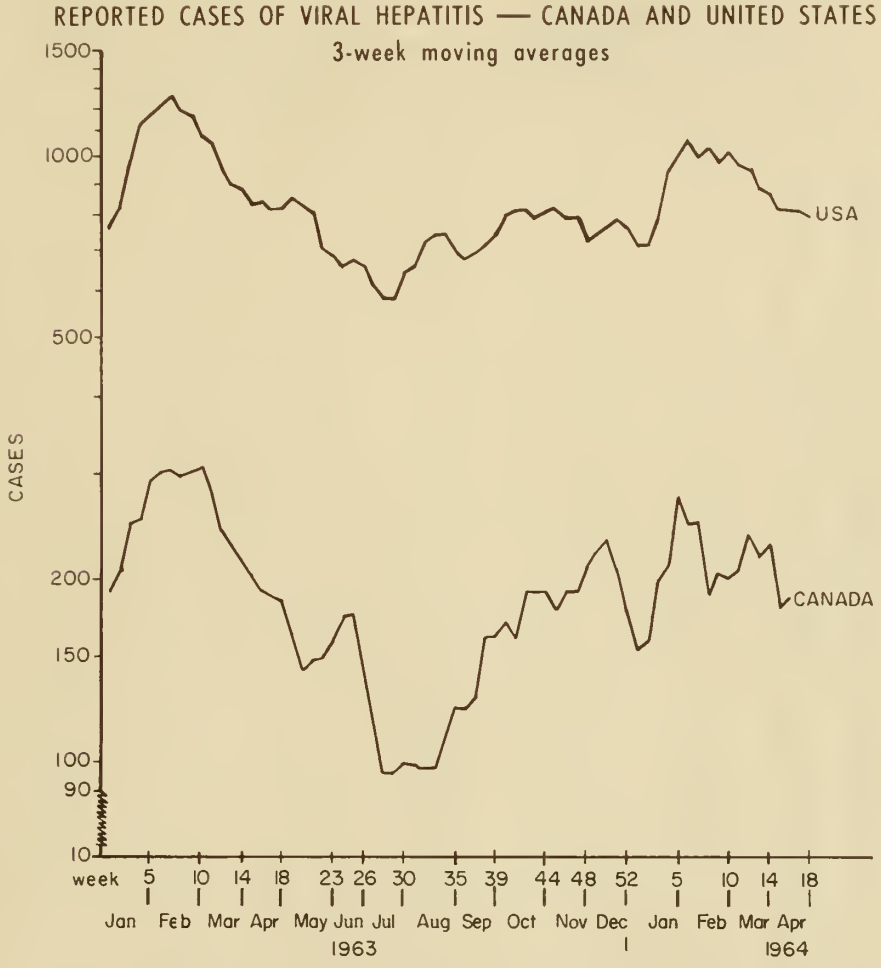
(Reported by Hepatitis Surveillance Unit, CDC)

SCOMBROID FISH POISONING – CALIFORNIA

A mother and her daughter experienced scombroid fish poisoning, an unusual type of food-borne disease, within 35 minutes after eating pan-fried albacore.

Fifteen minutes after eating the albacore, pan-fried in her home, the mother developed headache, urticaria, edema, rash, dizziness, and nausea. Thirty-five minutes later, her daughter commenced to experience similar symptoms of headache, rash, edema, urticaria, and a tingling sensation. The father, who had also consumed some of the same fish, remained symptom-free except for mild diarrhea 3 hours later. All recovered.

The suspect fish was a 22 lb. albacore. Caught early in the morning, it had hung in a fish bag on the outside of the boat until early evening when it was placed in cold water in an ice chest for the trip home. It was too large to place in a refrigerator and was, therefore, kept outside for the night (low temperature 59°F). The temperature rose to 86°F the following morning; the fisherman watered the



Sources: "Notifiable Diseases – Weekly Summary." Prepared in the Public Health Section, Health and Welfare Division, Dominion Bureau of Statistics, Ottawa, Canada, for week ended April 25; and CDC data.

albacore with his garden hose. At noon, it was brought to the victims' home, where it was cleaned and placed in the freezer. About one month later, the fish was removed, allowed to thaw on the kitchen counter, and was pan-fried 6 hours later.

Bacteriologic studies were not reported. The rapidity of onset and the symptoms, however, indicated scombroid fish poisoning.

(Reported by Murray Cooper, R.S., and Doris Husman, P.H.N., Pasadena Department of Public Health, and Philip K. Condit, M.D., Chief, Bureau of Communicable Diseases, California State Department of Health).

Editor's Note:

Although cases such as these are customarily termed "scombroid fish poisoning"[1] (see MMWR, Vol. 13, page 30), Dr. Lionel Farber, Hooper Foundation, University of California, notes: "Even though most of the fish implicated in California 'food poisoning' outbreaks of this nature were Scombroids, including tunas, mackeral, yellowtail and bonita, we feel that they are all examples of bacterial food spoilage and should be so designated. The name 'Scombroid poisoning' implies an inherent toxic property of these fish and that really fresh samples could also give rise to the effects. However, what is involved is poor handling, lack of proper refrigeration and conditions enabling various proteinaceous food spoiling bacteria to grow, including organisms of the *Pseudomonas, Achromobacter* and *Proteus* genera."[2]

1. Halstead, B. W.: Poisonous fish-like vertebrates. In Conference on Shellfish Toxicology, 1957. U. S. Department of Health, Education, and Welfare, Public Health Service, Washington, D. C., 1957, pp. 37-76
2. Personal communication.

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 16, 1964 AND MAY 18, 1963 (20th WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	36	36	45	28	1	2	26	53	1	2	20	47
NEW ENGLAND.....	2	-	3	1	-	-	-	1	-	-	-	1
Maine.....	-	-	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	3	-	-	-	-	-	-	-	-	-
Rhode Island.....	1	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1	-	-	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	4	1	9	3	-	-	4	5	-	-	4	5
New York City.....	-	-	3	-	-	-	1	-	-	-	1	-
New York, Up-State.	2	1	-	1	-	-	2	4	-	-	2	4
New Jersey.....	-	-	5	-	-	-	1	-	-	-	1	-
Pennsylvania.....	2	-	1	2	-	-	-	1	-	-	-	1
EAST NORTH CENTRAL...	5	5	7	6	-	1	3	15	-	1	3	12
Ohio.....	2	-	2	-	-	-	2	4	-	-	2	3
Indiana.....	-	-	-	-	-	-	-	1	-	-	-	-
Illinois.....	-	1	2	5	-	-	1	6	-	-	1	5
Michigan.....	3	4	3	1	-	-	-	3	-	-	-	3
Wisconsin.....	-	-	-	-	-	1	-	1	-	1	-	1
WEST NORTH CENTRAL...	1	1	9	-	-	-	-	1	-	-	-	1
Minnesota.....	1	-	5	-	-	-	-	1	-	-	-	1
Iowa.....	-	1	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	2	-	-	-	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	1	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	1	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	3	7	12	5	-	-	12	6	-	-	9	5
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	1	4	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	1	2	5	-	-	-	1	-	-	-	1
West Virginia.....	1	-	1	-	-	-	1	-	-	-	1	-
North Carolina.....	-	-	-	-	-	-	5	2	-	-	2	2
South Carolina.....	-	-	-	-	-	-	1	-	-	-	1	-
Georgia.....	-	-	-	-	-	-	1	1	-	-	1	-
Florida.....	1	2	9	-	-	-	4	2	-	-	4	2
EAST SOUTH CENTRAL...	11	6	1	-	-	-	2	3	-	-	1	2
Kentucky.....	9	5	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	1	-	-	-	-	1	1	-	-	-	1
Alabama.....	2	-	-	-	-	-	1	2	-	-	1	1
Mississippi.....	-	-	1	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	-	9	1	-	-	1	2	11	-	1	1	11
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	1	-	9	-	1	-	9
Oklahoma.....	-	2	-	-	-	-	-	-	-	-	-	-
Texas.....	-	7	1	-	-	-	2	2	-	-	1	2
MOUNTAIN.....	3	-	1	-	-	-	2	1	-	-	1	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	1	-	-	-	-	-	-	-	-	-	-	-
Utah.....	2	-	1	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	7	7	2	13	1	-	1	10	1	-	1	9
Washington.....	1	-	-	-	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	5	1	-	1	1	1	-	1	1
California.....	6	7	2	8	-	-	-	8	-	-	-	7
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	2	-	-	-	2

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 16, 1964 AND MAY 18, 1963 (20th WEEK) · Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	10	149	9	97	756	378	325	53	17,655	19,621	13	137
NEW ENGLAND.....	-	2	7	17	78	35	43	-	1,856	2,241	-	7
Maine.....	-	-	7	14	22	12	10	-	637	1,034	-	-
New Hampshire.....	-	-	-	-	1	1	-	-	135	158	-	-
Vermont.....	-	-	-	-	12	5	7	-	234	29	-	-
Massachusetts.....	-	2	-	3	18	4	14	-	363	664	-	4
Rhode Island.....	-	-	-	-	6	2	4	-	92	53	-	3
Connecticut.....	-	-	-	-	19	11	8	-	395	303	-	-
MIDDLE ATLANTIC.....	-	2	-	4	172	94	78	-	4,016	3,745	2	22
New York City.....	-	-	-	1	31	9	22	-	583	499	2	8
New York, Up-State.	-	1	-	-	77	57	20	-	1,780	1,668	-	4
New Jersey.....	-	-	-	2	28	9	19	-	737	585	-	1
Pennsylvania.....	-	1	-	1	36	19	17	-	916	993	-	9
EAST NORTH CENTRAL...	2	19	-	6	106	52	44	10	2,685	3,124	1	29
Ohio.....	1	1	-	-	27	11	14	2	706	913	-	17
Indiana.....	-	1	-	-	9	4	4	1	229	296	1	5
Illinois.....	-	12	-	6	31	17	13	1	449	679	-	4
Michigan.....	-	2	-	-	28	15	13	-	1,110	1,082	-	3
Wisconsin.....	1	3	-	-	11	5	-	6	191	154	-	-
WEST NORTH CENTRAL...	-	74	-	18	39	23	6	10	1,012	911	1	11
Minnesota.....	-	2	-	10	3	-	-	3	88	154	-	-
Iowa.....	-	42	-	-	8	5	2	1	151	161	-	3
Missouri.....	-	4	-	-	4	3	1	-	251	356	1	4
North Dakota.....	-	2	-	-	3	1	2	-	41	21	-	-
South Dakota.....	-	12	-	1	2	1	1	-	99	43	-	1
Nebraska.....	-	10	-	-	-	-	-	-	20	71	-	-
Kansas.....	-	2	-	7	19	13	-	6	362	105	-	3
SOUTH ATLANTIC.....	4	12	-	20	76	47	28	1	1,694	2,098	1	30
Delaware.....	-	-	-	-	2	-	2	-	37	27	-	-
Maryland.....	-	-	-	-	11	9	2	-	328	229	-	1
Dist. of Columbia..	-	-	-	-	1	1	-	-	28	63	-	-
Virginia.....	4	6	-	-	6	4	2	-	242	470	-	7
West Virginia.....	-	-	-	-	12	10	2	-	287	326	-	-
North Carolina.....	-	1	-	-	14	12	2	-	325	543	-	10
South Carolina.....	-	-	-	3	5	3	2	-	61	81	1	3
Georgia.....	-	3	-	15	-	-	-	-	39	85	-	1
Florida.....	-	2	-	2	25	8	16	1	347	274	-	8
EAST SOUTH CENTRAL...	-	8	-	4	46	31	14	1	1,213	2,037	4	19
Kentucky.....	-	3	-	-	15	12	2	1	518	600	-	7
Tennessee.....	-	1	-	1	17	10	7	-	421	822	1	6
Alabama.....	-	3	-	2	5	4	1	-	168	291	3	5
Mississippi.....	-	1	-	1	9	5	4	-	106	324	-	1
WEST SOUTH CENTRAL...	1	12	1	15	49	32	17	-	1,281	1,312	2	10
Arkansas.....	1	3	-	-	8	3	5	-	139	154	1	5
Louisiana.....	-	1	1	5	14	9	5	-	275	243	1	1
Oklahoma.....	-	1	-	-	3	1	2	-	75	71	-	3
Texas.....	-	7	-	10	24	19	5	-	792	844	-	1
MOUNTAIN.....	2	12	-	1	42	5	6	31	1,143	1,346	-	1
Montana.....	-	-	-	-	4	2	2	-	109	200	-	-
Idaho.....	-	-	-	-	11	-	-	11	108	206	-	-
Wyoming.....	-	-	-	-	-	-	-	-	37	20	-	-
Colorado.....	-	-	-	-	8	1	-	7	335	281	-	-
New Mexico.....	-	1	-	1	1	-	1	-	169	164	-	-
Arizona.....	-	1	-	-	13	-	-	13	246	306	-	1
Utah.....	2	9	-	-	5	2	3	-	103	159	-	-
Nevada.....	-	1	-	-	-	-	-	-	36	10	-	-
PACIFIC.....	1	8	1	12	148	59	89	-	2,755	2,807	2	8
Washington.....	-	-	1	11	25	8	17	-	299	475	-	1
Oregon.....	-	1	-	-	15	5	10	-	312	383	-	-
California.....	1	7	-	1	97	42	55	-	2,005	1,870	2	7
Alaska.....	-	-	-	-	7	2	5	-	85	61	-	-
Hawaii.....	-	-	-	-	4	2	2	-	54	18	-	-
Puerto Rico	-	-	-	3	14	12	2	-	308	285	-	6

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES

FOR WEEKS ENDED

MAY 16, 1964 AND MAY 18, 1963 (20th WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	26,688	51	1,196	1,187	8,366	7,074	5	77	4	92	118	1,843
NEW ENGLAND.....	912	4	36	77	1,124	879	1	1	-	-	-	12
Maine.....	341	2	5	12	62	56	-	-	-	-	-	10
New Hampshire.....	8	-	-	2	12	14	-	-	-	-	-	1
Vermont.....	90	-	1	2	7	2	-	-	-	-	-	1
Massachusetts.....	199	2	15	37	149	126	1	1	-	-	-	-
Rhode Island.....	110	-	2	7	109	46	-	-	-	-	-	-
Connecticut.....	164	-	13	17	785	635	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,431	6	114	170	612	505	-	3	-	-	3	39
New York City.....	632	1	20	22	40	49	-	-	-	-	-	-
New York, Up-State.	588	1	43	53	445	242	-	-	-	-	3	38
New Jersey.....	490	-	14	25	80	110	-	2	-	-	-	-
Pennsylvania.....	721	4	37	70	47	104	-	1	-	-	-	1
EAST NORTH CENTRAL...	5,660	7	189	193	977	792	-	5	-	8	33	236
Ohio.....	1,076	2	54	54	161	107	-	1	-	1	17	122
Indiana.....	1,026	1	32	24	83	101	-	1	-	-	2	11
Illinois.....	718	-	40	30	164	145	-	2	-	5	11	59
Michigan.....	1,961	2	45	61	385	263	-	1	-	1	1	18
Wisconsin.....	879	2	18	24	184	176	-	-	-	1	2	26
WEST NORTH CENTRAL...	2,134	2	72	71	311	198	-	3	1	23	27	591
Minnesota.....	28	-	14	12	36	33	-	-	-	1	10	178
Iowa.....	1,690	-	3	4	106	73	-	1	-	1	11	201
Missouri.....	12	2	41	26	49	-	-	2	-	13	1	102
North Dakota.....	366	-	5	3	96	83	-	-	-	-	3	33
South Dakota.....	-	-	-	4	3	3	-	-	-	-	1	49
Nebraska.....	38	-	4	17	-	-	-	-	-	-	1	15
Kansas.....	NN	-	5	5	21	6	-	-	1	8	-	13
SOUTH ATLANTIC.....	1,477	10	258	222	881	572	-	35	1	17	11	265
Delaware.....	18	1	4	1	30	-	-	-	-	-	-	-
Maryland.....	74	2	20	33	117	20	-	2	-	-	-	-
Dist. of Columbia..	2	1	8	4	2	-	-	-	-	-	-	-
Virginia.....	788	2	31	52	239	167	-	4	-	3	6	169
West Virginia.....	230	-	19	12	266	126	-	1	-	-	2	17
North Carolina.....	37	2	44	37	36	125	-	10	-	4	1	3
South Carolina.....	202	2	42	13	64	14	-	3	-	-	-	-
Georgia.....	3	-	18	11	2	3	-	1	1	10	2	46
Florida.....	123	-	72	59	125	117	-	14	-	-	-	30
EAST SOUTH CENTRAL...	5,851	1	116	93	1,288	968	1	10	-	16	14	268
Kentucky.....	188	-	41	20	95	113	-	1	-	1	2	38
Tennessee.....	1,580	-	38	41	1,085	783	-	4	-	11	11	219
Alabama.....	4,014	1	20	16	5	11	1	4	-	3	1	11
Mississippi.....	69	-	17	16	103	61	-	1	-	1	-	-
WEST SOUTH CENTRAL...	3,670	9	114	124	540	628	2	10	1	21	17	271
Arkansas.....	23	-	10	8	1	-	-	2	1	9	5	72
Louisiana.....	-	5	85	49	-	6	-	3	-	-	-	28
Oklahoma.....	39	-	4	26	7	9	-	-	-	11	4	39
Texas.....	3,608	4	15	41	532	613	2	5	-	1	8	132
MOUNTAIN.....	787	1	44	40	1,224	1,218	-	2	1	7	6	71
Montana.....	104	-	-	3	42	38	-	-	-	1	-	-
Idaho.....	40	-	1	3	55	102	-	-	-	-	-	-
Wyoming.....	1	-	3	1	29	22	-	1	1	3	-	-
Colorado.....	148	-	9	11	517	547	-	-	-	-	2	2
New Mexico.....	16	-	19	2	245	295	-	1	-	-	1	36
Arizona.....	356	-	3	6	125	107	-	-	-	-	3	33
Utah.....	85	-	2	11	210	106	-	-	-	3	-	-
Nevada.....	37	1	7	3	1	1	-	-	-	-	-	-
PACIFIC.....	3,766	11	253	197	1,409	1,314	1	8	-	-	7	90
Washington.....	1,339	-	19	15	516	521	-	-	-	-	-	-
Oregon.....	405	-	16	11	22	15	-	-	-	-	-	1
California.....	1,983	11	205	161	805	669	1	8	-	-	7	89
Alaska.....	12	-	6	5	13	71	-	-	-	-	-	-
Hawaii.....	27	-	7	5	53	38	-	-	-	-	-	-
Puerto Rico	213	-	16	4	21	43	-	28	-	-	-	9

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	4/25	5/2	5/9	5/16
NEW ENGLAND:				
Boston, Mass.	166	128	108	174
Bridgeport, Conn.	26	30	26	30
Cambridge, Mass.	24	26	19	16
Fall River, Mass.	19	26	16	21
Hartford, Conn.	19	27	23	32
Lowell, Mass.	13	15	7	24
Lynn, Mass.	20	21	23	16
New Bedford, Mass.	19	14	18	23
New Haven, Conn.	22	27	23	22
Providence, R.I.	48	38	51	41
Somerville, Mass.	11	11	8	11
Springfield, Mass.	40	38	27	28
Waterbury, Conn.	14	19	15	19
Worcester, Mass.	29	45	29	57
MIDDLE ATLANTIC:				
Albany, N.Y.	26	25	26	26
Allentown, Pa.	20	15	25	25
Buffalo, N.Y.	86	72	97	65
Camden, N.J.	21	25	20	21
Elizabeth, N.J.	24	12	14	25
Erie, Pa.	20	28	18	25
Jersey City, N.J.	44	33	49	49
Newark, N.J.	42	43	42	44
New York City, N.Y.	939	950	957	986
Paterson, N.J.	29	26	14	18
Philadelphia, Pa.	341	294	246	222
Pittsburgh, Pa.	107	83	101	97
Reading, Pa.	32	34	35	29
Rochester, N.Y.	71	75	66	59
Schenectady, N.Y.	13	11	10	23
Scranton, Pa.	34	23	22	33
Syracuse, N.Y.	38	46	32	27
Trenton, N.J.	23	26	27	34
Utica, N.Y.	13	17	18	19
Yonkers, N.Y.	24	16	19	23
EAST NORTH CENTRAL:				
Akron, Ohio	35	24	36	36
Canton, Ohio	27	25	21	13
Chicago, Ill.	383	383	371	384
Cincinnati, Ohio	104	93	87	104
Cleveland, Ohio	114	110	107	111
Columbus, Ohio	71	51	63	51
Dayton, Ohio	41	42	44	54
Detroit, Mich.	196	153	208	227
Evansville, Ind.	19	18	21	29
Flint, Mich.	21	27	20	25
Fort Wayne, Ind.	19	16	22	25
Gary, Ind.	16	20	15	13
Grand Rapids, Mich.	28	28	28	29
Indianapolis, Ind.	82	89	81	72
Madison, Wis.	19	16	15	14
Milwaukee, Wis.	49	75	77	73
Peoria, Ill.	12	17	23	16
Rockford, Ill.	30	26	21	14
South Bend, Ind.	18	34	22	22
Toledo, Ohio	64	55	51	59
Youngstown, Ohio	33	35	40	50
WEST NORTH CENTRAL:				
Des Moines, Iowa	45	34	51	34
Duluth, Minn.	21	29	15	17*
Kansas City, Kans.	30	13	19	21
Kansas City, Mo.	95	73	82	84
Lincoln, Nebr.	17	17	27	12
Minneapolis, Minn.	94	69	65	79
Omaha, Nebr.	51	40	57	52
St. Louis, Mo.	150	112	107	115
St. Paul, Minn.	41	50	38	44*
Wichita, Kans.	33	18	26	27*
SOUTH ATLANTIC:				
Atlanta, Ga.	44	62	53	59
Baltimore, Md.	119	142	130	114
Charlotte, N.C.	15	11	20	13
Jacksonville, Fla.	30	32	28	29
Miami, Fla.	51	40	51	36
Norfolk, Va.	24	15	30	23
Richmond, Va.	49	29	42	47
Savannah, Ga.	15	14	16	16
St. Petersburg, Fla.	76	60	60	67
Tampa, Fla.	41	43	34	28
Washington, D.C.	94	77	97	78
Wilmington, Del.	19	17	25	20
EAST SOUTH CENTRAL:				
Birmingham, Ala.	37	53	42	32
Chattanooga, Tenn.	20	32	25	21
Knoxville, Tenn.	18	16	20	21
Louisville, Ky.	56	66	92	64
Memphis, Tenn.	60	63	47	47
Mobile, Ala.	17	17	15	9
Montgomery, Ala.	20	13	17	18
Nashville, Tenn.	57	41	59	53
WEST SOUTH CENTRAL:				
Austin, Tex.	21	23	21	20
Baton Rouge, La.	11	15	8	5
Corpus Christi, Tex.	15	8	10	12
Dallas, Tex.	64	63	64	68
El Paso, Tex.	16	18	13	19
Fort Worth, Tex.	36	29	31	40
Houston, Tex.	66	79	93	71
Little Rock, Ark.	31	27	40	28
New Orleans, La.	101	81	82	87
Oklahoma City, Okla.	33	45	25	41
San Antonio, Tex.	53	67	64	46
Shreveport, La.	27	27	20	29
Tulsa, Okla.	24	44	31	25
MOUNTAIN:				
Albuquerque, N. Mex.	16	17	14	12
Colorado Springs, Colo.	11	8	16	7
Denver, Colo.	78	78	61	64
Ogden, Utah.	11	13	13	8
Phoenix, Ariz.	59	59	57	55
Pueblo, Colo.	8	9	15	11
Salt Lake City, Utah.	24	40	29	33
Tucson, Ariz.	20	33	23	29
PACIFIC:				
Berkeley, Calif.	17	14	9	18
Fresno, Calif.	20	21	26	34
Glendale, Calif.	22	42	28	26
Honolulu, Hawaii	24	22	31	19
Long Beach, Calif.	36	40	38	38
Los Angeles, Calif.	330	287	271	282
Oakland, Calif.	31	69	44	61
Pasadena, Calif.	26	26	24	20
Portland, Oreg.	82	71	73	26
Sacramento, Calif.	29	38	32	26
San Diego, Calif.	60	62	59	44
San Francisco, Calif.	117	89	97	112
San Jose, Calif.	28	19	23	25
Seattle, Wash.	62	85	86	88
Spokane, Wash.	40	41	34	35
Tacoma, Wash.	19	36	33	28
San Juan, P.R.	10	18	25	(---)

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	11,370
4(B) Pneumonia-Influenza Deaths, all ages	413
4(C) Total Deaths under 1 Year of Age	667
4(D) Total Deaths, Persons 65 years and over	6,301

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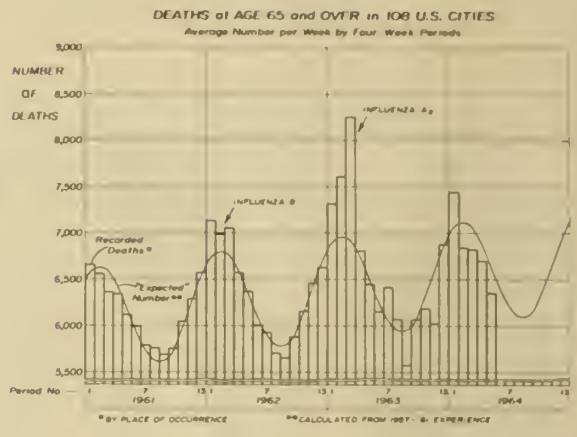
SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending May 16 was 6,355 as compared with an expected weekly average of 6,674.

	Week Ending				4 Week	Weekly
	4/25	5/2	5/9	5/16	Total	Average
Observed	6,522	6,338	6,260	6,301	25,421	6,355
Expected	6,768	6,705	6,643	6,579	26,695	6,674
Excess	−246	−367	−383	−278	−1,274	−319



(See table, page 171)

INTERNATIONAL NOTES – QUARANTINE MEASURES

INFLUENZA – France

Small foci of mild influenza-like illness have occurred in Paris and its suburbs since mid-February, as well as in some departments in Northwest, West, Center, and Northeast France. Cases continue to be reported.

Strains of virus A_2 have been isolated; serologic evidence of infection with virus A_2 was obtained from 43 patients in the above regions.

(Reported in Weekly Epidemiological Record, No. 18, World Health Organization, May 1, 1964.)

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NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.
SYMBOLS: - - - DATA NOT AVAILABLE
· QUANTITY ZERO
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